

The Commonwealth of Massachusetts  
Executive Office of Health and Human Services  
Department of Public Health  
William A. Hinton State Laboratory Institute  
305 South Street, Jamaica Plain, MA 02130  
617-983-6622

DEVAL L. PATRICK  
GOVERNOR

TIMOTHY P. MURRAY  
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD  
SECRETARY

JOHN AUERBACH  
COMMISSIONER

08/12/11

Omar F. Gonzalez-Pagan  
Assistant District Attorney, Suffolk County

Dear ADA Gonzalez-Pagan,

Enclosed are copies of the information you requested regarding sample numbers  
[REDACTED] in the following:

1. Drug Analysis Laboratory Receipt.
2. Curriculum Vitae for Daniela Frasca and Annie Khan (Dookhan).
3. Control Cards with Analytical Results for sample numbers [REDACTED]
4. Analysis Notation Forms for the above sample numbers.
5. GC-MS Raw Data Sheets for the above sample numbers.

GC-MS confirmatory testing was performed by Annie Khan (Dookhan). All other testing was performed by Daniela Frasca. If you have any questions or concerns about these facts, please contact me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Daniela Frasca".

Daniela Frasca  
Chemist II  
Drug Laboratory  
617 983-6631  
fax: 617 983-6625



## Curriculum Vitae

Daniela Frasca

## Education

**Boston University School of Medicine, Boston MA**  
*Currently enrolled in the Biomedical Forensic Science MS Program*

**Suffolk University, Boston, MA**  
*Graduated in 05/1996 and received a Bachelor of Science in Biochemistry*

## EXPERIENCE

Massachusetts State Laboratory Institute/DPH, Jamaica Plain, MA 01/2001 – present  
Drug Laboratory: *Chemist II*

- Analysis of all substances by chemical screening, microscopy, and instrument confirmation to determine the presence of drugs for law enforcement agencies in the Commonwealth of Massachusetts.
- Appointed assistant analyst on January 29, 2001 by the Assistant Commissioner of DPH
- Completed four weeks of training in drug analysis under the supervision of senior chemists.

Quest Diagnostics Incorporated, Cambridge, MA 09/1996 – 10/2001

### Department of Toxicology: Medical Technologist I

- Handles comprehensive toxic analysis, therapeutic drug monitoring, forensic drug screening, and compound ID's of biohazard samples utilizing standard operating procedures in clinical toxicology.
- Entered data and interpreted results for reporting
- QC/QA of multiple analytical instrumentation as well as maintenance
- Completed 60 days of training under the supervision of doctorate level toxicologists.

## Additional Training

## Northeastern Association of Forensic Scientists

Agilent Instruments and Software      Digital Photography

## McCrone Research Institute

## Forensic Polarized Microscopy

## Polarized Microscopy of Illicit Drugs and Excipients

## Massachusetts State Laboratory Institute

## Expert Witness

## Raman Spectroscopy

## Associations and Programs

- Northeastern Association of Forensic Scientists (NEAFS) 2001 - present
- The International Association of Forensic Toxicologists (TIAFT) 2003 - present
- The International Association of Therapeutic Drug Monitoring And Clinical Toxicology (IATDMCT) 2003 - present
- Massachusetts State Science Fair Judge 2000 - present
- Middle School State Science Fair Judge 2006 - present
- Volunteer Science Project Mentor/Tutor 2003 - present  
for the TTT Mentor Program

## Curriculum Vitae

### Annie Khan (Dookhan)

#### **Education:**

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.  
University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

#### **Experience:**

2003 – present

#### Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

- \*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.
- \*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.
- \*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.
- \*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.
- \*Maintenance and repairs of all analytical instruments.
- \*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.
- \* Responsible for the Quality Control/Quality Assurance program for the drug lab.
- \*Notary Public.
- \*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

#### QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

- \*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.
- \*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.
- \*Writing, revising and reviewing Standard Operating Procedures (SOPs).
- \*Trained and supervised new chemists and interns for the department.
- \*Routine QC testing of products for the FDA.
- \*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.
- \*Calibration, preventive maintenance, QC and QA of analytical instrumentation.
- \*Complete testing of chemicals for Vendor Validation Project for the FDA.
- \*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

#### **Additional Training:**

Dept. of Justice – Forensics Professionals. (numerous trainings)  
GLP/GMP course with Massachusetts Biologic Laboratory.  
QC/QA training according to FDA Codes and Regulations.  
GC and GC/MS courses with Agilent Technologies and Restek.  
HPLC course with Waters Cooperation.  
FTIR course with Spectros.  
TOC training with MBL and Sievers.

#### **Association:**

American Chemical Society (ACS)  
Northeastern Association of Forensics Science (NEAFS)

Ms. [REDACTED] Date Analyzed: 06-28-11  
Officer: NYPA Police Dept.  
Officer: Sergeant GEORGE ANDREW WARD

Def. [REDACTED]  
Pounds: 1 Grams: .002  
Net: Grams: .002

Date Rec'd: 01/27/2011 No. Analyzed:

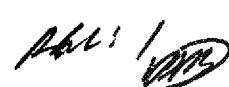
Sample No. 0.700 Net Wt. 0.069  
#Tests: 1

(B) 2000   
Prelim: Cocaine Findings: cocaine

Ms. [REDACTED] Date Analyzed: 6/27/11  
Officer: NYPA Police Dept.  
Officer: Sergeant GEORGE ANDREW WARD

Def. [REDACTED]  
Pounds: 1 Grams: .002  
Net: Grams: .002

Date Rec'd: 04/27/2011 No. Analyzed:

Sample No. 4.000 Net Wt. .001  
#Tests: 1 

Prelim: Findings: Doxepin 

# DRUG POWDER ANALYSIS FORM

SAMPLE #

AGENCY

MS/TA

ANALYST

*DM*

## PHYSICAL DESCRIPTION:

*[REDACTED] - Tested Ev. w/OK*

Substance in 1 PL3

Mary -

Gross Wt O.1156g

Proed -

Net Wt O.0689g

Meck -

Cobalt -, +M/acid

Gold +

TCTA -, +M/acid

## PRELIMINARY TEST RESULTS

RESULTS Cocaine

DATE 6/27/11

## GC/MS CONFIRMATORY TEST

RESULTS Cocaine

MS  
OPERATOR

*ASD*

DATE 6/28/11

# DRUG POWDER ANALYSIS FORM

SAMPLE #

AGENCY NBTA

ANALYST DM

## PHYSICAL DESCRIPTION:

no contents Fr. w/OK

Tested 1 Capsules

Yellow - white capsule printed black on both halves loose in 1 PB (evidence bag)

MYLAN  
3125 | MYLAN  
3125

Gross Wt: —

Net Wt. 0.2493g

Appearance and Labeling (Micromedex)  
Dexepin HCl - 25MG

## PRELIMINARY TEST RESULTS

RESULTS Dexepin  
DATE 6/27/11

## GC/MS CONFIRMATORY TEST

RESULTS Dexepin  
MS OPERATOR —  
DATE 6/27/11

## Drug Information

**DRUG NAME:** DOXEPIN HCL

**INGREDIENTS:** DOXEPIN HYDROCHLORIDE -- 25 MG

**Color:** Yellow , White

**NDC:** 00378-3125-01

**Shape:** Capsule-shape

00378-3125-10

35356-0424-60

**Imprint:** MYLAN 3125; MYLAN 3125

35356-0484-30

52959-0541-10

**Route:** Oral route

52959-0541-20

**Form:** Capsule

52959-0541-30

66267-0084-30

66336-0553-30

68115-0124-30

68115-0124-90

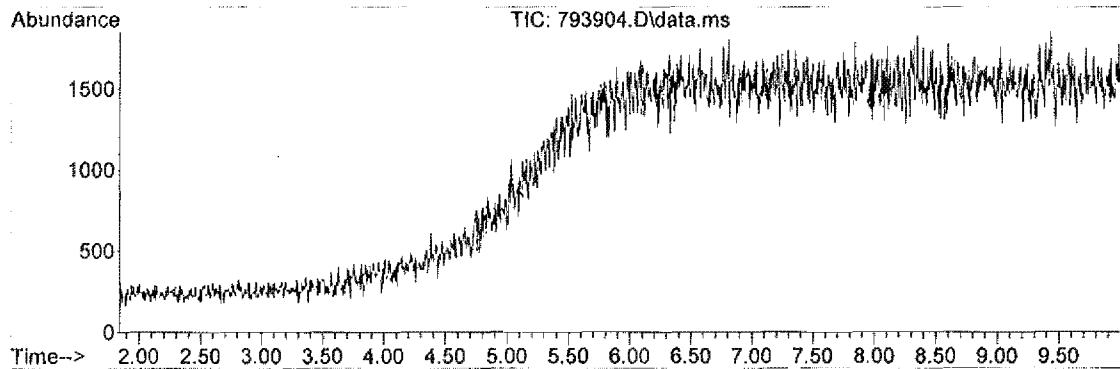
MYLAN  
3125

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Information from Data File:

File Name : F:\SYSTEM7\06\_27\_11\793904.D  
Operator : ASD  
Date Acquired : 27 Jun 2011 15:59  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

✓ASD  
8.12.11



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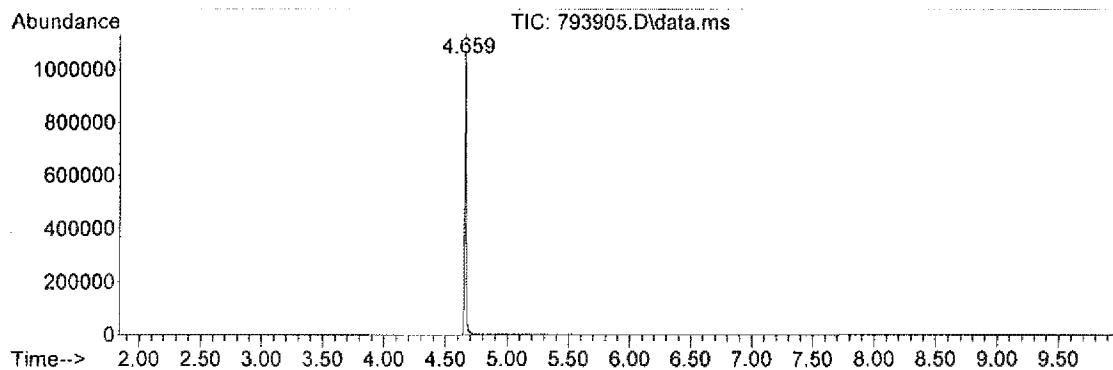
Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

## Information from Data File:

File Name : F:\SYSTEM7\06\_27\_11\793905.D  
Operator : ASD  
Date Acquired : 27 Jun 2011 16:12  
Sample Name : COCAINE STD  
Submitted by :  
Vial Number : 5  
AcquisitionMeth: DRUGS.M  
Integrator : RTE



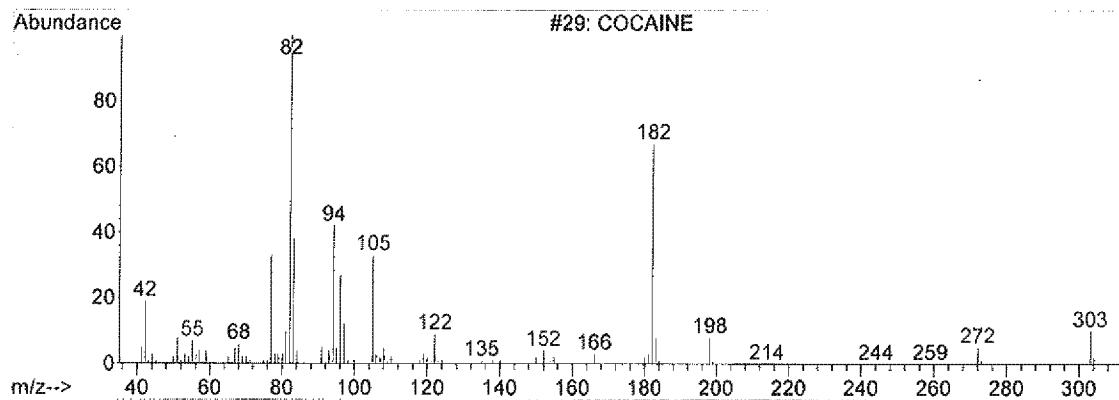
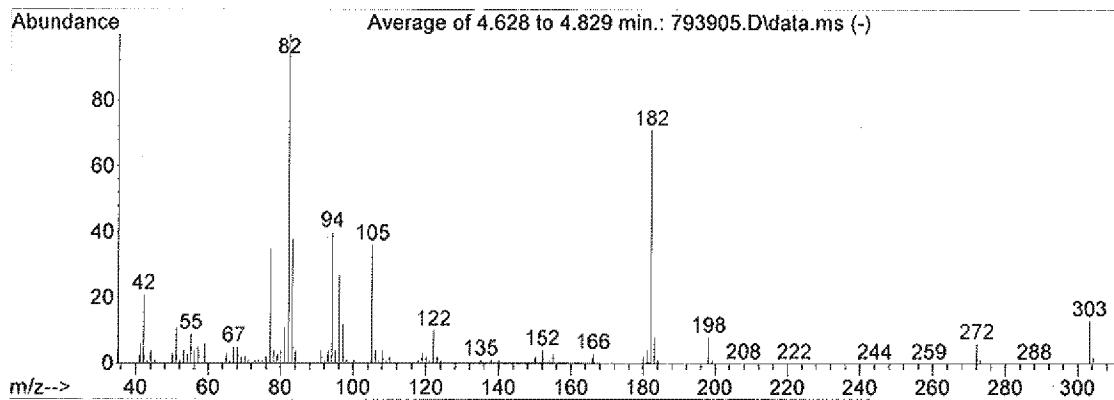
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## Information from Data File:

File Name : F:\SYSTEM7\06\_27\_11\793905.D  
Operator : ASD  
Date Acquired : 27 Jun 2011 16:12  
Sample Name : COCAINE STD  
Submitted by :  
Vial Number : 5  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	4.66	C:\Database\SLI.L COCAINE	000050-36-2	99

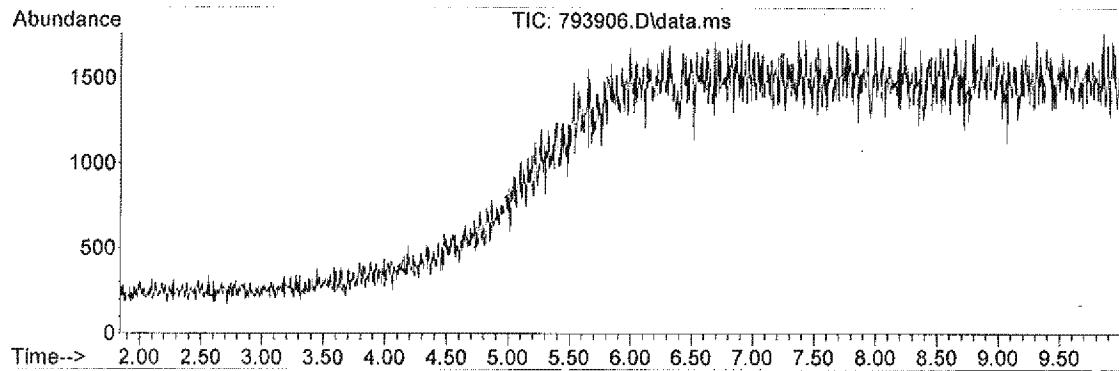


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Information from Data File:

File Name : F:\SYSTEM7\06\_27\_11\793906.D  
Operator : ASD  
Date Acquired : 27 Jun 2011 16:25  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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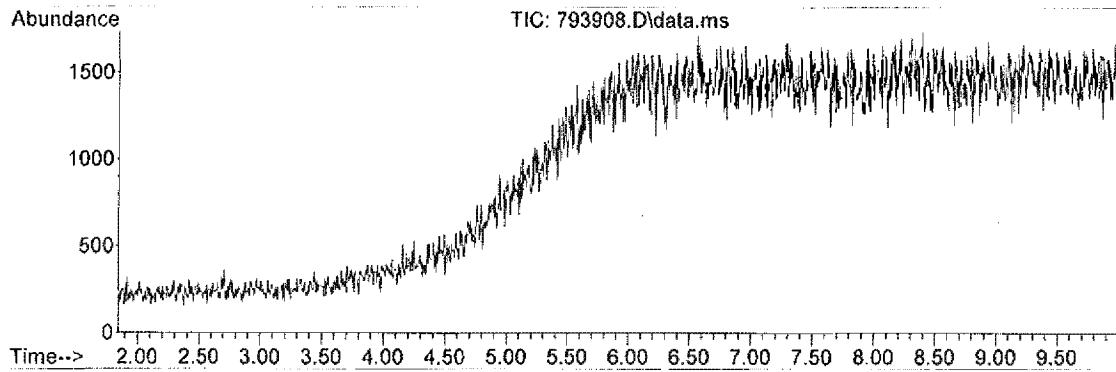
Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

## Information from Data File:

File Name : F:\SYSTEM7\06\_27\_11\793908.D  
Operator : ASD  
Date Acquired : 27 Jun 2011 16:50  
Sample Name : BLANK  
Submitted by : DXF  
Vial Number : 1  
AcquisitionMeth: DRUGS.M  
Integrator : RTE



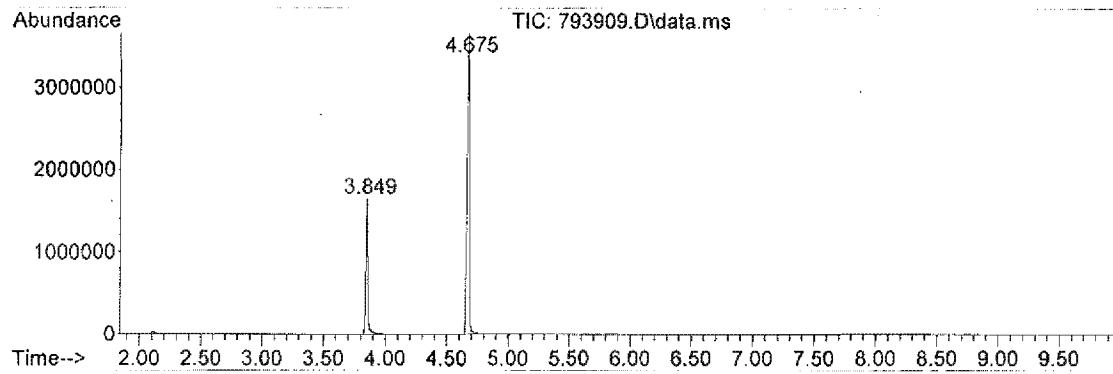
Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

Area Percent / Library Search Report

Information from Data File:

File Name : F:\SYSTEM7\06\_27\_11\793909.D  
Operator : ASD  
Date Acquired : 27 Jun 2011 17:02  
Sample Name : XXXXXXXXXX  
Submitted by : DXF  
Vial Number : 9  
AcquisitionMeth: DRUGS.M  
Integrator : RTE



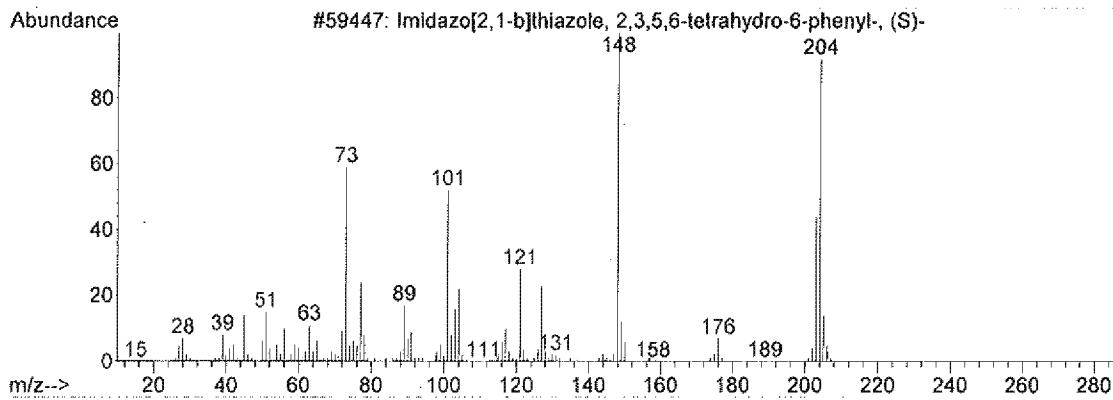
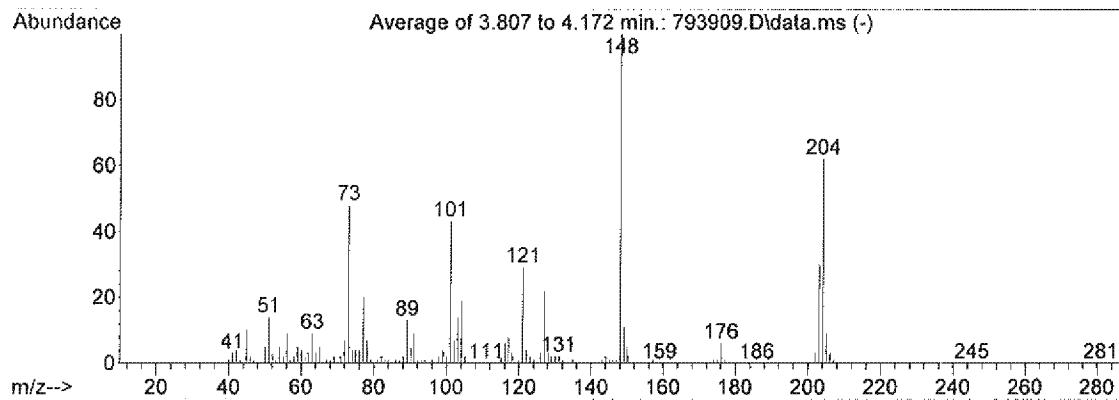
Ret. Time	Area	Area %	Ratio %
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4.675	5280333	72.99	100.00

## Information from Data File:

File Name : F:\SYSTEM7\06\_27\_11\793909.D  
Operator : ASD  
Date Acquired : 27 Jun 2011 17:02  
Sample Name : XXXXXXXXXX  
Submitted by : DXF  
Vial Number : 9  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	3.85	C:\Database\NIST05a.L		
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	014769-73-4	99
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	98
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	014769-73-4	98



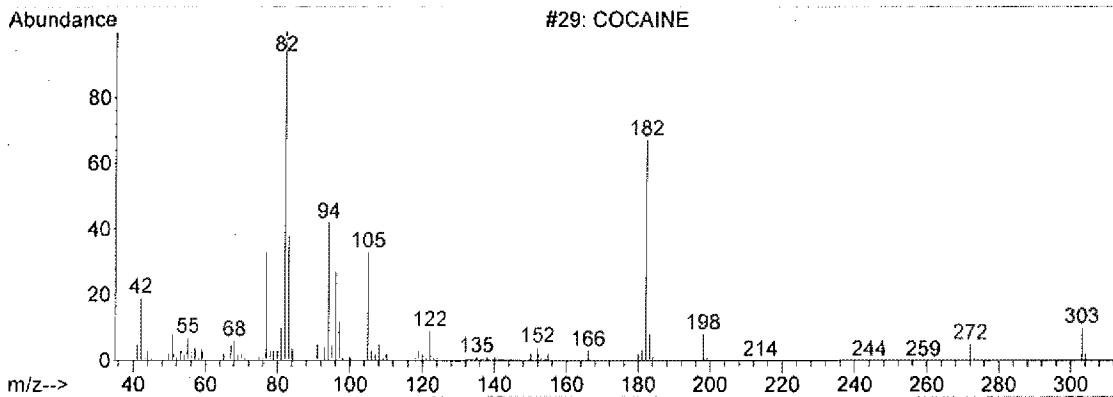
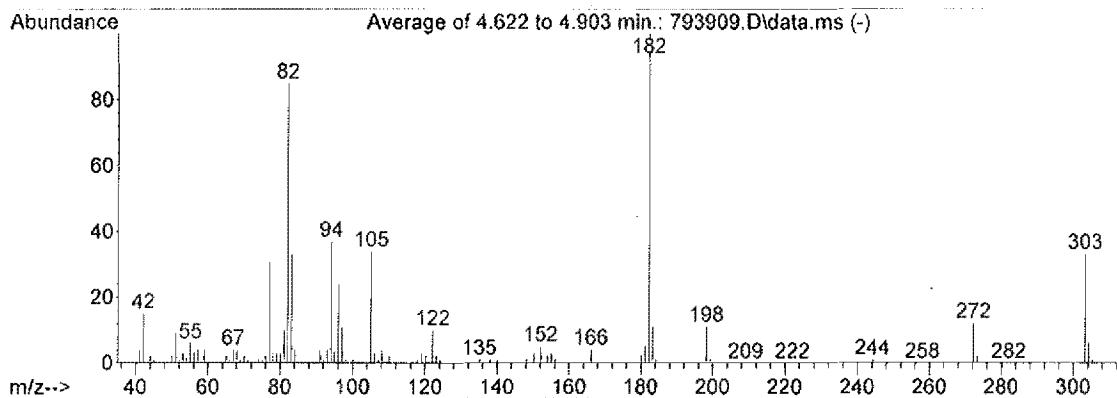
Area Percent / Library Search Report

Information from Data File:

File Name : F:\SYSTEM7\06\_27\_11\793909.D  
Operator : ASD  
Date Acquired : 27 Jun 2011 17:02  
Sample Name : XXXXXXXXXX  
Submitted by : DXF  
Vial Number : 9  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	4.68	C:\Database\SLI.L COCAINE	000050-36-2	99

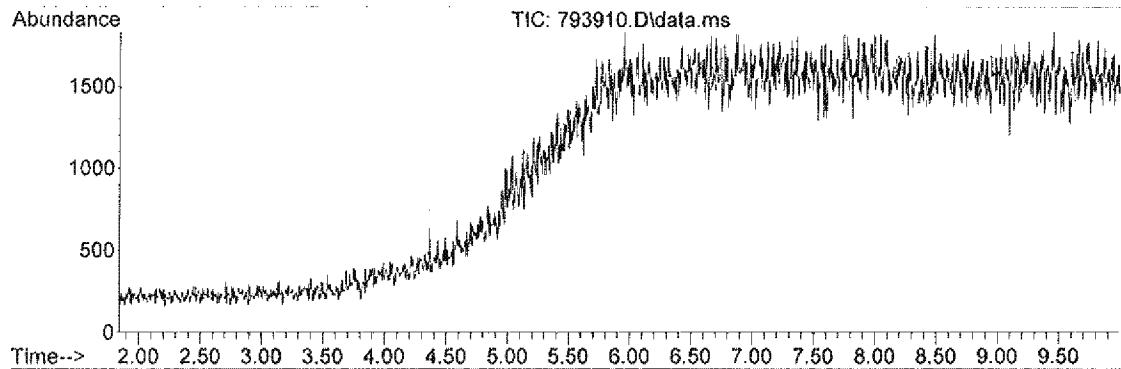


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Information from Data File:

File Name : F:\SYSTEM7\06\_27\_11\793910.D  
Operator : ASD  
Date Acquired : 27 Jun 2011 17:15  
Sample Name : BLANK  
Submitted by : NEM  
Vial Number : 1  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

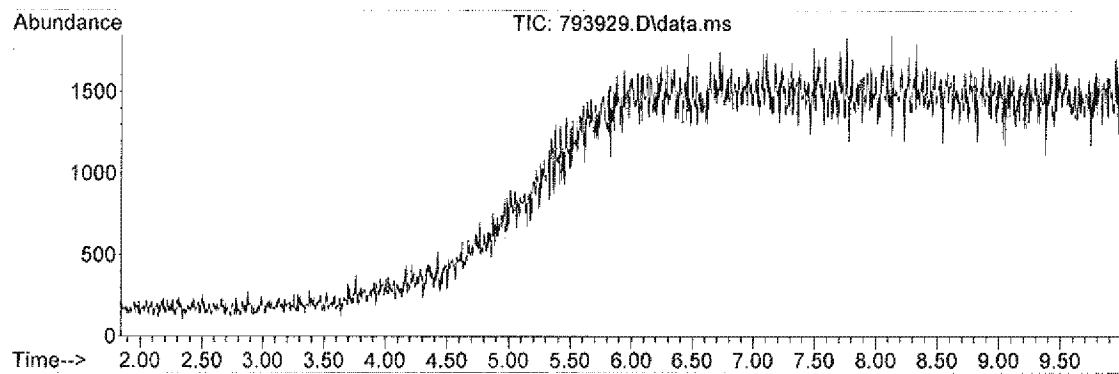
Area Percent / Library Search Report

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Information from Data File:

File Name : F:\SYSTEM7\06\_27\_11\793929.D  
Operator : ASD  
Date Acquired : 27 Jun 2011 21:15  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

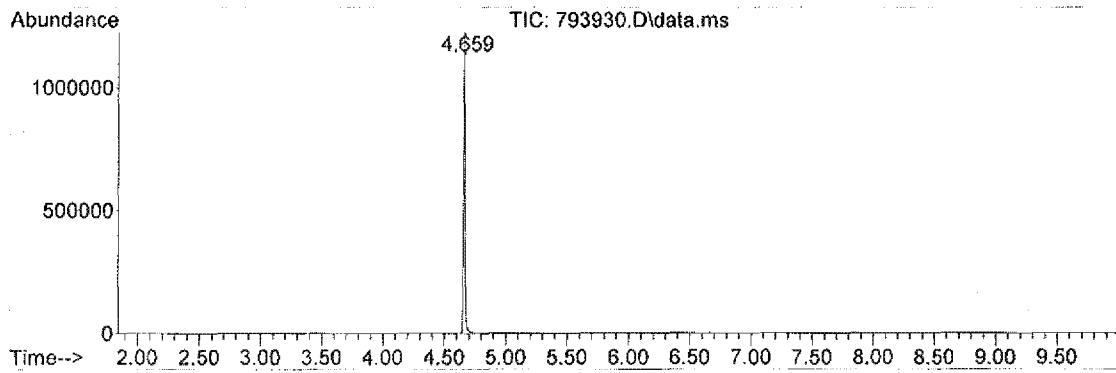
Area Percent / Library Search Report

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Information from Data File:

File Name : F:\SYSTEM7\06\_27\_11\793930.D  
Operator : ASD  
Date Acquired : 27 Jun 2011 21:28  
Sample Name : COCAINE STD  
Submitted by :  
Vial Number : 5  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
4.659	1101308	100.00	100.00

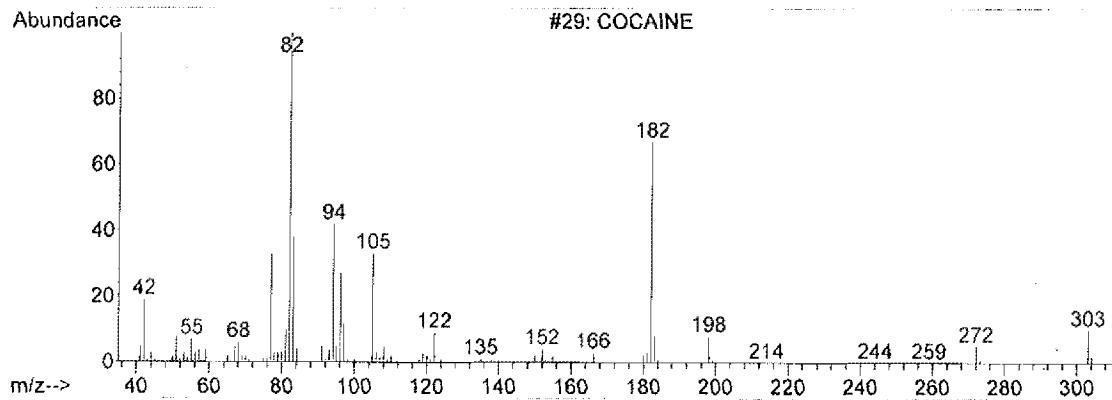
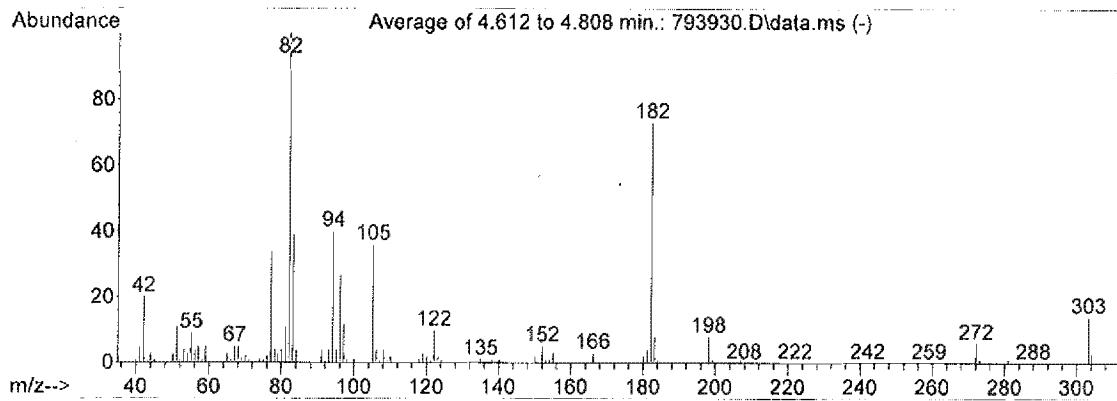
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## Information from Data File:

File Name : F:\SYSTEM7\06\_27\_11\793930.D  
Operator : ASD  
Date Acquired : 27 Jun 2011 21:28  
Sample Name : COCAINE STD  
Submitted by :  
Vial Number : 5  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	4.66	C:\Database\SLI.L COCAINE	000050-36-2	99

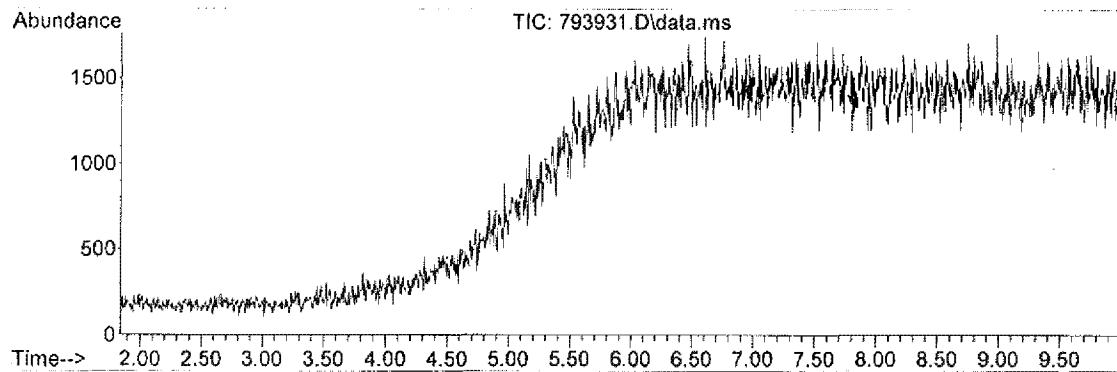


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Information from Data File:

File Name : F:\SYSTEM7\06\_27\_11\793931.D  
Operator : ASD  
Date Acquired : 27 Jun 2011 21:41  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*